



DL-3001

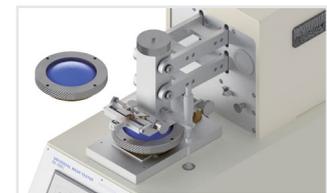


Purpose and Feature

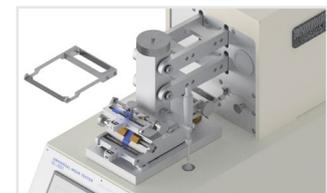
- Multi-purpose tester to measure abrasion strength in the form of Inflated diaphragm, Flex abrasion, Elastomeric pad, Frosting.
- Designed the ideal harmony mechanism by easy to assembling the basic parts according to each testing method by user.
- In case of the Flex abrasion, possible to accuracy measure the thickness of fabrics with Micro meter and when the complete abrasion, micro meter play a role the contact pin will be auto stopped the table reciprocation.
- In case of the Elastomeric pad, possible to keep the pressure 0.28gf/cm² and when the complete abrasion, will be auto stopped by the contact pin of rubber membrane center.
- In case of the Inflated diaphragm, equipped with polished flexing bar and when the completed abrasion, will be auto stopped the table reciprocation as the load goes down.
- Standard : ASTM D 3514, ASTM D 3885, ASTM D 3886, JIS L 1096, AATCC 119, AATCC 120

제품의 용도 및 특징

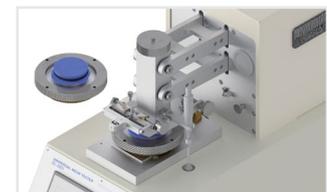
- 본 기기는 Inflated diaphragm, Flex abrasion, Elastomeric pad, Frosting의 형태로 마모강도를 시험하기 위한 다목적 기기이다.
- 각 시험 방법에 따라 기본 부품을 사용자가 쉽게 장착할 수 있도록 설계, 제작된 Mechanisam을 이상적으로 조화시킨 기기이다.
- 단마모의 경우, Micro meter를 장착하여 직물의 두께를 정밀하게 측정할 수 있으며, 완전 마모가 되었을 경우 접촉핀 역할을 하여 Table reciprocating이 Auto stop 한다.
- 팽창막법, 평면마모의 경우, Regulator를 이용하여 Pressure 0.28gf/cm²를 유지 가능하며, 시험편이 완전 마모 되었을 경우, 고무막 중앙의 접촉핀에 의해 Table reciprocating이 Auto stop 하도록 설계, 제작되어 있다.
- 굴곡마모의 경우, 연마 처리된 Flexing bar를 장착하여 Table이 Reciprocating하여 시험편이 완전 마모 되었을 경우, Load가 하강하면서 Micro switch에 의해 Table reciprocating이 Auto stop하도록 설계 제작되어 있다.
- 시험 규격 : ASTM D 3514, ASTM D 3885, ASTM D 3886, JIS L 1096, AATCC 119, AATCC 120



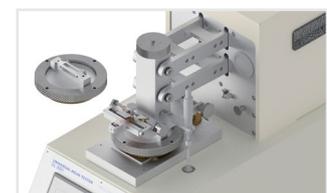
Inflated diaphragm



Flex abrasion



Frosting / Elastomeric pad



Edge abrasion

Specification

Model	DL-3001
Compressor air pump	220VAC, 20W
Air pressure	0~0.5kgf/cm ²
Reciprocating speed	125±5r/min.
Table stroke	2.50cm
Controller	Touch LCD Panel
Counter/Timer	4 digital memory display / 999min 59sec
Load capacity	Pressing - 0~7.5lbs
	Tensile - 0.5~7lbs
Auto stop device	Electric touch pin, Micro meter, Micro switch
Test method	Inflated diaphragm, Flex abrasion, Elastomeric pad, Frosting
Driving motor	180W geared motor
Power source	220VAC 50/60Hz single phase, 200W
Weight (Approx.)	70kg (±2kg)
Dimension (Approx.)	300(W) x 650(D) x 700(H)mm

Universal Wear Tester

UNIVERSAL WEAR TESTER
유니버설 마모 시험기

Accessories



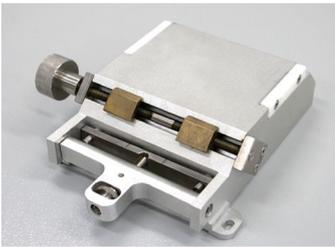
Inflated diaphragm set



Diaphragm (Electric)



Diaphragm



Flex abrasion set



knife



Tension clamp



Elastomeric pad



Mounting piece



Side clamp



Frosting set



Micrometer



Control panel